RFG.006CP1

ENDOSCOPIC SMART PROBE AND METHOD

Abstract of the Disclosure

An improved endoscopic device which is introduced into the intestinal tract of a living organism and which operates autonomously therein, adapted to obtain and store or transmit one or more types of data such as visual image data, laser autofluorescensce data, or ultrasonic waveform data. In another aspect of the invention, an improved endoscopic device useful for implanting the aforementioned endoscopic smart probe is disclosed. In another aspect of the invention, apparatus for delivering agents including nanostructures, radionuclides, medication, and ligands is disclosed. In another aspect of the invention, apparatus for obtaining a biopsy of intestinal tissue is disclosed. In another aspect of the invention, apparatus for detecting the presence of one or more molecular species within the intestine is disclosed. Methods for inspecting and/or treating the interior regions of the intestinal tract using the aforementioned apparatus are also disclosed.